

# NSLS Facility-Specific Environment, Safety, and Health (ESH) Briefing

NSLS Bldgs. 725, 726, 727, 728, trailers, 535 basement

***For BNL Plant Engr.  
And S&M Personnel***

NSLS Building Manager Gerry Van Derlaske: x3476, pager 8222  
Assistant Building Manager Bob Kiss: x4926, pager 5827

**EMERGENCIES:** Dial x2222  
then Control Room at  
x2550 (NSLS) x5350 (SDL)

## I. Emergency Information

- \_\_\_\_\_ 1. **Emergency number** is x2222 or 911. You must dial 344-2222 or 344-911 if using a cellular phone. **THEN IMMEDIATELY notify Control Room (NSLS = 2550, SDL = 5350).**
- \_\_\_\_\_ 2. **Site-wide and Building Alarms**
  - a. **Indoor Assembly Areas:** NSLS and SDL (Bldgs. 725, 726, 727, 728, 729, 535 basement, and trailers): Assemble in the NSLS Bldg. 725 Main Lobby or the Seminar Room.
  - b. **Building Alarm Bells – Evacuation (Outdoor) Assembly Areas:**  
NSLS Bldg. 725: Evacuate building immediately and assemble on the NSLS front lawn.  
Bldgs. 726, 727, 728, 729, 535 basement, and trailers: Assemble in parking lot at corner of Railroad St. and Brookhaven Ave.
  - c. **Shelter-In-Place Area, for Buildings 725 (NSLS) and 729 (SDL):** Proceed to the area around the VUV Ring experimental floor in Bldg. 725 (NSLS).
- \_\_\_\_\_ 3. **Report ANY injuries** immediately to your supervisor and/or the NSLS Building Manager. If it is an emergency, dial 2222 then Control Room (NSLS = 2550).
- \_\_\_\_\_ 4. **Note the locations** of fire alarm pull boxes, nearest exits, phones, eyewash/shower stations, fire extinguishers and Material Safety Data Sheets (MSDS) in your work area.

## II. Compliance with Procedures and Regulations

- \_\_\_\_\_ 1. Equipment at the NSLS often uses high voltage and currents. Experiments use a wide variety of chemicals and gases. Do not interfere with equipment or experimental areas unless this has been defined in a Work Permit.
- \_\_\_\_\_ 2. Radiologically Controlled Areas:
  - a. Wear your Radiation Badge at all times in Controlled Areas (front of body, color bar facing out).
  - b. Do not climb over any shielding walls or radiation barriers.
  - c. Do not move any lead or concrete shielding or work on any beamline hutches UNLESS this has been defined in a Work Permit and an "NSLS Authorization for Work on...Safety Systems" has been posted at the location.
  - d. Building 725: Do not linger near the front ends of VUV Beamlines or on the transport line during injections or fills. Announcements will be made and a siren sound will occur during these times – typically around 3:30 am, 8:00 am, 12:30 pm, 5:30 pm, and 10:30 pm.
  - e. If you are working above the VUV Floor (e.g. on a man lifter or a high step ladder) or on the roof above the VUV Ring, notify the NSLS Control Room Operator prior to this work and maintain contact regarding Ring fills or the end of the job.
  - f. Any untrained, unbadged person who needs to enter a Radiologically Controlled Area must be logged and signed in at a Visitor/Escort Station. The person MUST be escorted by fully-trained, badged personnel.
  - g. Do not pass through posted Radiation Areas UNLESS the posting states that undelayed transit is allowed. Do not work in a posted Radiation Area UNLESS you meet the qualifications and are signed in on the appropriate Radiological Work Permit.
  - h. Nothing is to be removed from posted Activation Areas without a radiological survey.

- \_\_\_\_\_ 3. Report any unsafe conditions or activities to your supervisor and/or the NSLS Bldg. Manager.
- \_\_\_\_\_ 4. Do not prop open any fire doors or access doors to the building.
- \_\_\_\_\_ 5. Read and obey all signs. Do not disturb or move signs or postings without proper authority.

- \_\_\_\_\_ 6. **Oxygen Deficiency Hazard Alarms:** The following rooms contain alarm systems to warn the occupants of any oxygen deficiency hazards which may result from equipment failure in those areas:
- Liquid Nitrogen fill station located at the West Roll Up Door (Rm. 1-151A)
  - LEGS Cryolab (Rm. 1-169)
  - Mechanical Equipment Rooms (MER) A, #7 and #8.

**Should one of these alarms be activated** you are to:

Leave the area immediately. Do NOT stop to troubleshoot any problem.

If needed, call BNL Emergency Services at x2222.

Call the NSLS Control Room at x2550.

- \_\_\_\_\_ 7. **Additional Training:** Potentially hazardous operations require special training and permits before individuals are authorized to perform such work. Plant Engineering shall supply proper training **prior to task performance.**

\_\_\_\_\_ Access to Building 729 (Source Development Laboratory): SDL Facility-Specific Safety Orientation is required for anyone working within or outside building 729.

**NSLS Environmental Training:** You must complete NSLS Job-Specific Environmental Training if you are involved in any of the following activities at the NSLS:

**General NSLS Machine Shop Operations**

**Lead Working** - note that only two NSLS Machine Shops are designated for machining lead (e.g. cutting bricks): the shop in Building 726 (Bob Scheuerer, Mgr.) and the User Machine Shop in Bldg. 725 (Bob Kiss, Mgr.).

**Vacuum System Maintenance**

**Electrical/Mechanical Assembly**

**III. Reviewed or issued the following document(s):**

1. \_\_\_\_\_
2. \_\_\_\_\_

**I understand the information given to me on Environment, Safety, and Health at the NSLS.**

PE or S&M Personnel Name (print )	Life #	Signature	Date

\_\_\_\_\_  
TRAINER NAME (printed)

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
DATE

DESIGNATED NSLS TRAINERS: ESH Coordinator, RCD Facility Rep, Bldg. Mgr., Asst. Bldg. Mgr., ESH Engineer.

*NOTE: This NSLS Facility-Specific ESH Briefing as well as GERT and a TLD are required for Plant Engineering and Supply & Materiel personnel to access the NSLS Controlled Areas. Plant Engineering/Supply & Materiel is responsible for ensuring all training other than this briefing is accomplished prior to arrival at NSLS. To get their ID card encoded, personnel should go to NSLS User Administration and show proof of GERT training. Please forward completed form to NSLS Training Coordinator at 725D. LS-ESH-PESM Rev. 12-11-02*